



## ELECTRONIC ENDOSCOPE DEVICE

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### ABSTRACT

PROBLEM TO BE SOLVED: To improve picture quality without making the structure of an image pickup device complex and increasing clock frequency.

SOLUTION: This device has a CCD 14, a CCD driving circuit 24 which reads an image signal of an odd numbered line in a next 1/60 second for every image signal obtained by single-time exposure in a period of a 1/60 second, and further reads an image signal of an even numbered line in a next 1/60 second through the CCD 14, memories 33 and 34 which stores the image signals of the odd numbered and even numbered lines, and a mixing circuit 35 which forms an image of one frame by mixing image signals in the memories 33 and 34, and a light source unit, etc., is provided with a shutter 19 which cuts off incident light so that a new pixel signal is not stored in the CCD 14 in the period wherein the image signal of the odd numbered line is read out. Consequently, an image of one frame can excellently be obtained with a conventional clock frequency.





